

IN THE CLAIMS:

1. (Canceled)
2. (Currently Amended) A method for conditioning a substrate mass as claimed in claim 33 wherein an evacuation system associated with one of the conducting elements is provided for removal of ~~at least one conditioning material~~ water or a waste material or by-product from the substrate mass.
3. (Original) A method for conditioning a substrate mass as claimed in claim 2 wherein the evacuation system is in hydraulic and electrical continuity with the electrokinetic geosynthetic structure and a reservoir.
4. (Previously Presented) A method for conditioning a substrate mass as claimed in claim 33 wherein the supply system is in hydraulic and electrical continuity with the electrokinetic geosynthetic structure and a reservoir.
5. (Previously Presented) A method as claimed in claim 33 comprising reversing the polarity of the conducting elements during the application of a potential difference, or supplying conditioning material of different charge during the method.
6. (Previously Presented) A method as claimed in claim 33 wherein the substrate is selected from soil, loam, earth, sod, clay, weak rock, gravel, stones, sewerage, sludge and mixtures thereof.
7. (Currently Amended) A method as claimed in claim 33 wherein a conditioning material is selected from ~~water, aqueous media or solutions, salts, nutrients, supplementary carbon sources, supplementary oxygen sources, terminal electron acceptors, water retention materials, thickening materials,~~

~~biomass, pH regulators, temperature regulators, minerals, reducing agents, oxidants, absorbents, metal particles, coated metal particles, non-metallic catalyst materials, grout, lime or mixtures thereof.~~

8 - 15. (Canceled)

16. (Previously Presented) A method as claimed in claim 33 wherein the conditioning material comprises an electrolyte which serves to conduct a current between the elements to thereby kill contaminant bacteria in the substrate mass.

17. (Currently Amended) Substrate mass conditioning apparatus comprising an electrokinetic geosynthetic structure associated with at least one conducting element, said electrokinetic geosynthetic structure arranged for insertion into substrate mass ~~without regard to any reinforcement or drainage function;~~ at least one further conducting element; a supply system associated with ~~one of the conducting elements for the supply of at least one said electrokinetic geosynthetic structure for supplying conditioning fluid comprising water and cohesion inducing material to be introduced into the substrate mass~~ the electrokinetic geosynthetic structure; and means for applying a potential difference between the conducting elements ~~for supplying cohesion inducing material to the substrate mass.~~

18. (Currently Amended) Apparatus as claimed in claim 17 comprising an evacuation system associated with one of the conducting elements for removal of ~~at least one conditioning material~~ water or of a waste material or by-product from the substrate mass.

19. (Previously Presented) Apparatus as claimed in claim 18 wherein the supply system and evacuation system comprise respective reservoir(s) in hydraulic and electrical continuity with the electrokinetic geosynthetic structure.

20. (Original) Apparatus as claimed in claim 19 wherein at least one of said reservoirs is comprised within the substrate mass

21. (Previously Presented) Apparatus as claimed in claim 18 wherein the supply and/or system comprises a pump.

22. (Previously Presented) Apparatus as claimed in claim 17 wherein one or more of said at least one further conducting element is a metallic non electrokinetic geosynthetic electrode.

23. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure comprises a solid body having a central core which serves as the supply system and/or reservoir and optionally as the evacuation system and/or reservoir.

24. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure comprises a pure or composite metallic or a conducting non-metallic.

25. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure comprises one or more lines of spaced elongate conducting members.

26. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure comprises a reinforcing element

27. (Original) Apparatus as claimed in claim 26 wherein the electrokinetic geosynthetic structure provides a longitudinal axis and the reinforcing element comprises at least one high strength elongate element running parallel to the longitudinal axis of the electrokinetic geosynthetic structure.

28. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure comprises a non-conductive material with conductive material running through it at least partially on a surface of the structure.

29. (Previously Presented) Apparatus as claimed in claim 17 wherein the electrokinetic geosynthetic structure is in the form of a continuous elongate tube, tape or rope.

30 - 32 (Canceled).

33. (Currently Amended) A method for conditioning a substrate mass comprising the steps of:  
positioning an electrokinetic geosynthetic structure comprising geosynthetic material with at least one conducting element associated therewith within a substrate mass ~~without regard to any reinforcement or drainage function;~~

positioning at least one additional conducting element within the substrate mass such that electrolyte material is located between the conducting element of the electrokinetic geosynthetic structure and said additional conducting element;

associating a supply system with the electrokinetic geosynthetic structure ~~one of the~~ ~~conducting elements~~ for supplying conditioning material to be introduced into the substrate mass; and  
supplying conditioning fluid comprising water and cohesion inducing material to the electrokinetic geosynthetic structure via the supply system; and

applying a potential difference between the conducting elements which act as respective electrodes, thereby supplying conditioning cohesion inducing material to the substrate mass.

34. (Currently Amended) A method as claimed in claim 4 wherein the electrokinetic geosynthetic structure comprises a solid body have a central core which serves as the supply system and/or reservoir and ~~optionally as the evacuation system and/or reservoir for the conditioning fluid.~~

35. (New) A method for conditioning a substrate mass comprising the steps of:

forming a supply reservoir of cohesion inducing material and water within a substrate mass by forming a hole within the substrate mass and filling the hole with the cohesion inducing material and water;

surrounding the supply reservoir with an electrokinetic geosynthetic structure comprising geosynthetic material with at least one conducting element associated therewith;

positioning at least one additional conducting element within the supply reservoir;

applying a potential difference between the conducting elements to induce the cohesion inducing material to move into the substrate mass.

36. (New) The method of claim 35 wherein said cohesion inducing material is lime.